

Product datasheet for **KN209837BN**

RHOB Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	RHOB
Locus ID:	388
Components:	<p>KN209837G1, RHOB gRNA vector 1 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN209837G2, RHOB gRNA vector 2 in pCas-Guide CRISPR vector (GE100002)</p> <p>KN209837BND, donor DNA containing left and right homologous arms and mBFP-Neo functional cassette.</p> <p>GE100003, scramble sequence in pCas-Guide vector</p>
RefSeq:	<u>NM_004040</u>
UniProt ID:	<u>P62745</u>
Synonyms:	ARH6; ARHB; MST081; MSTP081; RHOH6
Summary:	Mediates apoptosis in neoplastically transformed cells after DNA damage. Not essential for development but affects cell adhesion and growth factor signaling in transformed cells. Plays a negative role in tumorigenesis as deletion causes tumor formation. Involved in intracellular protein trafficking of a number of proteins. Targets PKN1 to endosomes and is involved in trafficking of the EGF receptor from late endosomes to lysosomes. Also required for stability and nuclear trafficking of AKT1/AKT which promotes endothelial cell survival during vascular development. Serves as a microtubule-dependent signal that is required for the myosin contractile ring formation during cell cycle cytokinesis. Required for genotoxic stress-induced cell death in breast cancer cells.[UniProtKB/Swiss-Prot Function]



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Product images:

